(FILE 'HOME' ENTERED AT 15:38:13 ON 27 MAY 2004)

FILE 'REGISTRY' ENTERED AT 15:38:19 ON 27 MAY 2004

L1 STRUCTURE UPLOADED

L2 2 S L1 SSS SAM

L3 347 S L1 SSS FULL

L4 0 S L3 AND NUCLEOSIDE

FILE 'CAPLUS, MEDLINE, USPATFULL' ENTERED AT 15:42:08 ON 27 MAY 2004

L5 98 S L3

L6 5 S L5 AND NUCLEOSIDE

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2004:182368 CAPLUS
DOCUMENT NUMBER: 140:229401
TITLE: Three hybrid assay system for isolating ligand-binding polypeptides and for isolating small mol. ligands
INVENTOR(S): Come, Jon H.; Becker, Frank; Kley, Nikolai A.; Reichel, Christoph
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 238 pp., Cont.-in-part of U.S. Ser. No. 91,177.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

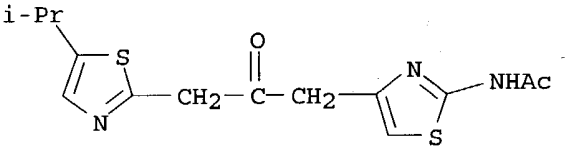
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004043388	A1	20040304	US 2002-234985	20020903
US 2003165873	A1	20030904	US 2002-91177	20020304

PRIORITY APPLN. INFO.:
US 2001-272932P P 20010302
US 2001-278233P P 20010323
US 2001-329437P P 20011015
US 2002-91177 A2 20020304

AB The invention provides compns. and methods for isolating ligand-binding polypeptides for a user-specified ligand, and for isolating small mol. ligands for a user-specified target polypeptide using an improved class of hybrid ligand compds. Preparation of compds., e.g a methotrexate moiety linked by a polyethylene gycol moiety to dexamethasone, is described.

IT **666838-35-3D**, conjugates
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(three hybrid assay system for isolating ligand-binding polypeptides and for isolating small mol. ligands)

RN 666838-35-3 CAPLUS
CN Acetamide, N-[4-[3-[5-(1-methylethyl)-2-thiazolyl]-2-oxopropyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



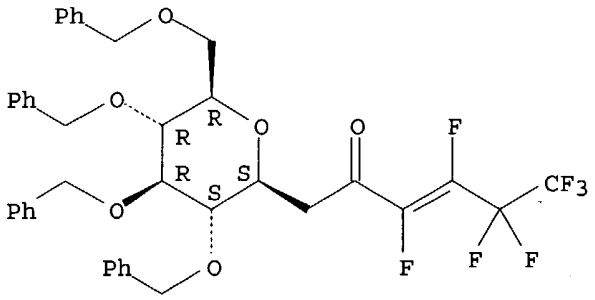
L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2004:181307 CAPLUS
DOCUMENT NUMBER: 140:357594
TITLE: Synthesis of fluorinated homo-C-**nucleoside** analogues from new carbohydrate-derived acylsilanes
AUTHOR(S): Chanteau, Frederic; Plantier-Royon, Richard; Portella, Charles
CORPORATE SOURCE: Laboratoire "Reactions Selectives et Applications", Associe au CNRS (UMR 6519), Universite de Reims, Faculte des Sciences, Reims, 51687/2, Fr.
SOURCE: Synlett (2004), (3), 512-516
CODEN: SYNLES; ISSN: 0936-5214
PUBLISHER: Georg Thieme Verlag
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The stereocontrolled synthesis of new carbohydrate-derived acylsilanes with the silylcarbonyl moiety linked to the anomeric carbon via a methylene group is described. Reaction of these acylsilanes with perfluoroorganometallic reagents followed by treatment with hydrazines or amidines led to new polyfluorinated homo-C-**nucleoside** analogs, in a one-pot or two-step transformation, resp.

IT **682807-90-5P 682807-91-6P 682807-92-7P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis of new carbohydrate-derived acylsilanes and their reaction with perfluoroorganometallic reagents to give fluorinated homo-C-**nucleoside** analogs)

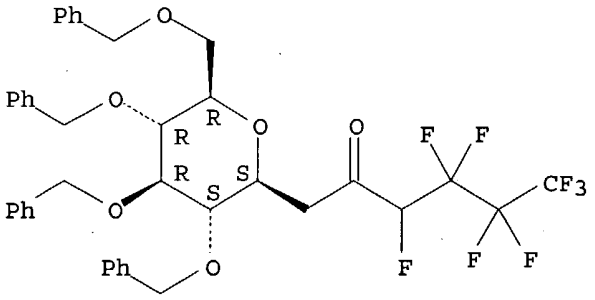
RN 682807-90-5 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

Absolute stereochemistry.
Double bond geometry unknown.



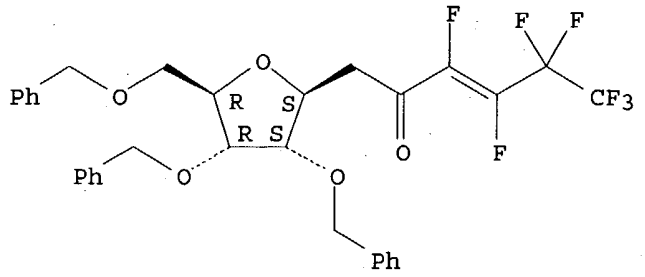
RN 682807-91-6 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

Absolute stereochemistry.



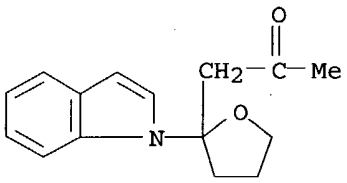
RN 682807-92-7 CAPLUS
CN 3-Hexen-2-one, 3,4,5,5,6,6,6-heptafluoro-1-[(2S,3S,4R,5R)-tetrahydro-3,4-bis(phenylmethoxy)-5-[(phenylmethoxy)methyl]-2-furanyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:975725 CAPLUS
DOCUMENT NUMBER: 140:146347
TITLE: Synthesis of N-glycoside analogs via thionolactones
AUTHOR(S): Wang, Wendong; Rattananakin, Pornpun; Goekjian, Peter G.
CORPORATE SOURCE: Department of Chemistry, Mississippi State University, MS, USA
SOURCE: Journal of Carbohydrate Chemistry (2003), 22(7 & 8), 743-751
CODEN: JCACDM; ISSN: 0732-8303
PUBLISHER: Marcel Dekker, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Indolyl N-glycoside analogs were obtained by a two-step sequence via indole N-thioamides. Treatment of thionobutyrolactone with indolylmagnesium bromide provides the corresponding indole N-thioamide. The use of 10:1 toluene: THF as solvent is important in favoring N- over C3-acylation. Treatment of the ω-hydroxythioamide with 2 equiv of Meerwein's reagent followed by sodium borohydride gives the corresponding N-(tetrahydrofuranyl)indole. Addition of carbon nucleophiles gives access to ketose **nucleoside** analogs, while activation of the ω-hydroxyl group can give access to tetrahydrothiophene N-glycosides.
IT **651712-34-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis of indolyl N-glycoside analogs via regioselective acylation of thionobutyrolactone with indolylmagnesium bromide)
RN 651712-34-4 CAPLUS
CN 2-Propanone, 1-[tetrahydro-2-(1H-indol-1-yl)-2-furanyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:766636 CAPLUS
DOCUMENT NUMBER: 140:253796
TITLE: One-electron reduction characteristics of

N(3)-substituted 5-fluorodeoxyuridines synthesized as radiation-activated prodrugs

AUTHOR(S): Tanabe, Kazuhito; Mimasu, Youhei; Eto, Akira; Tachi, Yukihiro; Sakakibara, Shingo; Mori, Mayuko; Hatta, Hiroshi; Nishimoto, Sei-ichi

CORPORATE SOURCE: Graduate School of Engineering, Department of Energy and Hydrocarbon Chemistry, Kyoto University, Kyoto, 615-8510, Japan

SOURCE: Bioorganic & Medicinal Chemistry (2003), 11(21), 4551-4556
CODEN: BMECEP; ISSN: 0968-0896

PUBLISHER: Elsevier Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

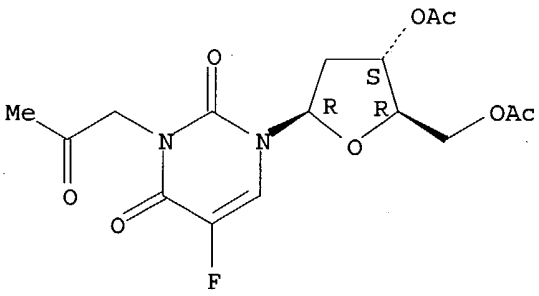
AB We designed and synthesized N(3)-substituted 5-fluorodeoxyuridines as radiation-activated prodrugs of the antitumor agent, 5-fluorodeoxyuridine (5-FdUrd). A series of 5-FdUrd derivs. possessing a 2-oxoalkyl group at the N(3)-position released 5-FdUrd in good yield via one-electron reduction initiated by hypoxic irradiation Cytotoxicity of the 5-FdUrd derivative possessing the 2-oxocyclopentyl group was low, but was enhanced by hypoxic irradiation resulting in 5-FdUrd release.

IT **664332-60-9P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of N(3)-substituted 5-fluorodeoxyuridines via hypoxic irradiation
initiated one-electron reduction for use as radiation-activated prodrugs)

RN 664332-60-9 CAPLUS

CN Uridine, 2'-deoxy-5-fluoro-3-(2-oxopropyl)-, 3',5'-diacetate (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2004:57386 USPATFULL

TITLE: Three hybrid assay system

INVENTOR(S): Come, Jon H., Cambridge, MA, UNITED STATES
Becker, Frank, Planegg, GERMANY, FEDERAL REPUBLIC OF
Kley, Nikolai A., Wellesley, MA, UNITED STATES
Reichel, Christoph, Planegg, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004043388	A1	20040304
APPLICATION INFO.:	US 2002-234985	A1	20020903 (10)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2002-91177, filed on 4 Mar 2002, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-272932P	20010302 (60)
	US 2001-278233P	20010323 (60)
	US 2001-329437P	20011015 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: ROPES & GRAY, ONE INTERNATIONAL PLACE, BOSTON, MA, 02110-2624
NUMBER OF CLAIMS: 96
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 18 Drawing Page(s)
LINE COUNT: 8493
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides compositions and methods for isolating ligand binding polypeptides for a user-specified ligand, and for isolating small molecule ligands for a user-specified target polypeptide using an improved class of hybrid ligand compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **666838-35-3D**, conjugates
(three hybrid assay system for isolating ligand-binding polypeptides and for isolating small mol. ligands)
RN 666838-35-3 USPATFULL
CN Acetamide, N-[4-[3-[5-(1-methylethyl)-2-thiazolyl]-2-oxopropyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)